

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: December 15, 2000, 11:30:07 ; Search time 176.17 Seconds
(without alignments)
1043.071 Million cell updates/sec

Title: US-09-232-880-326

Perfect score: 1215

Sequence: 1 ggaagactgaagccgcact.....aaaaaaaaaaaaaaaa 1215

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Number of hits satisfying chosen parameters: 524120

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, NA: *
1: /cgn2.6/ptodata/2/ina/5A.COMB.seq: *
2: /cgn2.6/ptodata/2/ina/5B.COMB.seq: *
3: /cgn2.6/ptodata/2/ina/5C.COMB.seq: *
4: /cgn2.6/ptodata/2/ina/5D.COMB.seq: *
5: /cgn2.6/ptodata/2/ina/6.COMB.seq: *
6: /cgn2.6/ptodata/2/ina/PCRNUS.COMB.seq: *
7: /cgn2.6/ptodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1012.4	83.3	1386	4	US-08-897-340-1
2	736	60.6	871	2	US-08-744-026-2
3	736	60.6	871	4	US-09-102-732-2
4	196	16.1	8174	1	US-07-914-281-5
5	196	16.1	8174	1	US-08-393-246-5
6	196	16.1	8174	2	US-08-525-058A-5
7	196	16.1	8174	4	US-08-696-731-5
8	196	16.1	8174	6	PCT-US91-00899-3
9	188.8	15.6	1476	4	US-08-824-874-2
10	158.2	13.0	4060	4	US-08-308-949A-1
11	157	12.9	1089	5	US-08-930-188-1
12	157	12.9	1089	5	US-08-930-188-3
13	157	12.9	1089	6	PCT-US96-04294-1
14	157	12.9	1089	6	PCT-US96-04294-3
15	155.4	12.8	986	3	US-08-557-146-1
16	154.4	12.8	986	4	US-09-154-344-1
17	147.4	12.1	732	2	US-08-361-395-2
18	137.8	11.3	1314	3	US-09-025-059-2
19	133.6	10.9	833	5	US-08-790-137-2
20	103.6	8.5	944	5	US-09-070-526-1
21	100.6	8.3	897	4	US-08-956-267A-1
22	99.4	8.2	825	5	US-09-120-582-1
23	94.6	7.8	957	2	US-08-684-862-11
24	91.4	7.5	1462	1	US-08-358-782D-14
25	91.4	7.5	1462	4	US-08-764-527A-14
26	89.8	7.4	992	1	US-08-358-782D-13

27	89.8	7.4	992	4	US-08-764-527A-13	Sequence 13, Appl
28	89.8	7.4	1729	3	US-08-844-024-1	Sequence 1, Appl
29	89.8	7.4	1729	4	US-08-718-547-1	Sequence 1, Appl
30	85	7.0	711	5	US-08-622-046B-2	Sequence 2, Appl
31	85	7.0	711	5	US-08-622-046B-13	Sequence 13, Appl
32	85	7.0	760	5	US-08-768-859A-7	Sequence 7, Appl
33	85	7.0	760	5	US-08-767-820A-7	Sequence 7, Appl
34	85	7.0	760	6	PCT-US95-06157-9	Sequence 9, Appl
35	85	7.0	766	5	US-08-768-859A-9	Sequence 9, Appl
36	85	7.0	766	5	US-08-767-820A-9	Sequence 9, Appl
37	85	7.0	766	5	US-08-622-046B-6	Sequence 6, Appl
38	85	7.0	766	5	US-08-622-046B-17	Sequence 17, Appl
39	85	7.0	766	5	PCT-US95-06157-9	Sequence 9, Appl
40	85	7.0	832	5	US-08-768-859A-5	Sequence 5, Appl
41	85	7.0	832	5	US-08-768-859A-20	Sequence 20, Appl
42	85	7.0	832	5	US-08-767-820A-5	Sequence 5, Appl
43	85	7.0	832	5	US-08-767-820A-20	Sequence 20, Appl
44	85	7.0	832	5	US-08-622-046B-4	Sequence 4, Appl
45	85	7.0	832	5	US-08-622-046B-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1
US-08-897-340-1
; Sequence 1, Application US/08897340
; Patent No. 5955306
; GENERAL INFORMATION:
; APPLICANT: Gimeno, Carlos J. and Errada, Patrick, R.
; TITLE OF INVENTION: Weight Control Pathway Genes and Uses
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/897,340
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/715,032
; FILING DATE: 17-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Silveri, Jean M.
; REGISTRATION NUMBER: 39,030
; REFERENCE/DOCKET NUMBER: MNI-005CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1386 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-897-340-1
Query Match 83.3%; Score 1012.4; DB 4; Length 1386;
Best Local Similarity 88.3%; Pred. No. 4.5e+216;
Matches 1190; Conservative 4; Mismatches 7; Indels 147; Gaps 3;

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QY 75 tccctggtgcatccgcagatggtgtgtgtcagccgcgaactgtttccagaa----- 123
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Db 135 GCTCTACACCATCGGGCTGGGGCTGGCAGACTCTTGAGAGCCGAGCAAGAGCCAGGAGCC 194
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QY 303 tcaagcatgtctcgagtgccctacccgaggaactctgtgctgttctgtgctgaggtc 362
Db 315 TCACGATTGCTTCCGAGGCGGCTTACCGGGGAACTCTTGCTGTTCTGTGCTGGGCTC 374
QY 363 tgcctgcgagcagcagaaatgctaccgtgtcgtcagtgctgacgtgtcgtgtgtgtcgt 422
Db 375 TGCTGCGGAAGCGGAGATGCTTACCGGTGTCAGTGTGAGAGTGTGAGTGTGTCGTG 434
QY 423 aggggtgtcgtgaatgaatctctatgacccgctgtacacacagatgttctgctgagcg 482
Db 435 AGGAGGTCGTGAGTAGCTATAGCCGCTGTACACACCCAGATGTTGCGCCGCGCG 494
QY 483 gaaggcagaccaaaggaactcctcgtcaacggtgactctggtgggccccctgtatcgtcaag 542
Db 495 GAGGGCAAGACCAAGAGACTCTCGAAGGCTGACTCTGGGGGCCCCCTGATGTGCAAGC 554
QY 543 ggtactcgcagagcctcgtgtcttccggaaaaagcccggtgtgcgaagtgtgcgtgcag 602
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QY 842 gaaccccccagccctcctcctcagaccagaggttccagccctcctcctcagaccag 901
Db 855 GACCCCCCAAGCCCTCTCTCTCAGACCCAGAGATCCAGCCCTCTCTCTCAGACCCAG 914
QY 902 gactcagagc----- 911
Db 915 GAGTCCAGACCCCCAGCCCTCTCTCTCAGACCCAGGGGTCCAGCCCTCTCTCTCA 974
QY 912 ----- 911
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QY 912 -----cccccagccctcctcctcctcagaccagaggttccag 947
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QY 947 gcccccaaacccctcctcctcagatcagaggtccagagccccaacccctcctccag 1007

Db 1095 GCCCCAAACCCCTCTCTCTCAGACTCAGAGTCCAGAGCCCCCAACCCCTCTCTCCAG 1154
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Db 1155 ACCCAGAGTCCAGGTACCAAGCCCTCTCTCTCAGACCCAGCGGTCCAAATGCCACGTAT 1214
QY 1068 actctccctgacacaggtgcccccttgtgacgtltgaccccaacttaacagttgtttc 1127
Db 1215 ACTCTCCCTGTACANATTGCCNCTTGTGCGAGCTTGACCCAACTTACAGATTGGTTT 1274
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QY 1188 aaaaaaaaaaaaaaaaaaaaaa 1215
Db 1335 AAAAAAAAAAAAAAAAAAAAAA 1362

RESULT 2

US-08-744-026-2
Sequence 2, Application US/08744026
Patent No. 5786148
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
TITLE OF INVENTION: A NOVEL PROSTATE-SPECIFIC
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 Porter Drive
City: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/744,026
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 11/5196
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0154 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 871 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY:
CLONE: Consensus
US-08-744-026-2

Query Match 60.6%; Score 736; DB 2; Length 871;
Best Local Similarity 98.3%; Pred. No. 7.3e-155;
Matches 742; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 4 gtagctgagccgcgactcgcagccctgtgcagcgcgactgtcatgtaaacgaattgtt 63

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Qy	64	ctgcctcggggttcctctgtggtacatccgcaagtgggtgtctgtacgccgacaactgtttccgaa	123
Db	177	CTGCTCGGGCCCTCTCTGGTGTGATCCGACAGTGGGTGCTCTGTACGCCCCACACATGTTTCCAGAA	226
Qy	124	cttcccaaccacatcggctcgggctcgcgaactctgtgaagccgaaccaagagccagggaa	183
Db	237	CTTCCTACACACATCCGGCGCTCGGGCCCTGACACAGCTTGAGGCGCCAGCAAAAGCCAGGAGACCA	266
Qy	184	gatggttggaagccagcctctccgtacggcaccgagtaacaacagacccttgcgttaa	243
Db	297	GATGGTTGGAAGCCAGCCCTCTCTCGTACGGCACCCAGAGTACAAACAGACCTTGCTCGCTTAA	356
Qy	244	cgacctatgctcatcaagtttgagcgagatccggttccgaagtctacacacatccggagcat	303
Db	337	CGACCTCATGNTTCATCAAGTTGGACGATCCGTCTCGAGTCTGACACATCCGGAGMAT	416
Qy	304	cagacatgcttcgcgaagttccctacacggcggggaaactctctgcgtttcttgtcgtcgggctc	363
Db	417	CAGCATTTGNTTTCGCGAGTGCCTTACCCTGGGGGGAACTTTGGCTGTCTCTGGCTGGGGTCT	476
Qy	364	gctggcggaagcgcaagaatgctactacggtgtcgtcagtgctgtgaagtgctggttgtctga	423
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Qy	424	ggaagttctgcgaatgaagctctctctgaaccgcgtctacaccccaagcatgtctgcgcgcgcg	483
Db	537	GGAGGTTCTGCAGTAAGCTCTTATGACCCTGTATCCACCCACAGCATGTTCTTGCCCGGGCG	596
Qy	484	agggcgaagacagaagaagctctctgcgaacggtgactctggggggcccttgatctgcgaag	543
Db	597	AGGGCAACACCAAGAAAGGACTCTCTCAACGGGTGACTCTGGGGGGGCCCTGATCTGCAACGG	656
Qy	544	gtactctgaaggcgcttggcttcttcgcgaaaaagcccggttggtgccaaattggcgtgcagag	603
Db	657	GTACTTGCAGGGCCTTGTTGTGTTTTTCGAAAAGCCCGCTGTGTGCCAAATTGGCTGTCAGG	716
Qy	604	tgctacacccaactctgcacaattcactgagtgtgatatagagaaaaacgltccagggccaatta	663
Db	717	TGTCTACACCAACCTCTGTSCAAATTCACATGAGTGTAGAGAAAACCTCCAGCGCCACTTA	776
Qy	664	actctggggactgggaacccaatgaattgaaccccccaatatatctctgcggaaggaattca	723
Db	777	ACTCTGGGGACTGGGAACCCATGAAATTGACCCCAATATCATCTCTCGGAAGGAATTCA	836
Db	724	ggaatatctgttccagagccctctccctcctagagc	758
Db	837	GGAATATCTGTTCCACAGCCCTCTCTCCTCATAGGCC	871
RESULT 3			
US-09-102-732-2			
Sequence 27: Application US/09102732			
Patent No. 5922321			
GENERAL INFORMATION:			
APPLICANT: Bandman, Olga			
APPLICANT: Goll, Surya K.			
TITLE OF INVENTION: A NOVEL PROSTATE-SPECIFIC			
TITLE OF INVENTION: KALIKREIN			
NUMBER OF SEQUENCES: 5			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.			
STREET: 3174 Porter Drive			
CITY: Palo Alto			
STATE: CA			
COUNTRY: US			
ZIP: 94304			
COMPUTER READABLE FORM:			
MEDIUM TYPE: Diskette			
COMPUTER: IBM Compatible			
OPERATING SYSTEM: DOS			

[illegible]

Patent No. 5955347
GENERAL INFORMATION:
APPLICANT: LOWE, JOHN B.
TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLOJ, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/696,731
FILING DATE: 14-AUG-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/393,246
FILING DATE:
APPLICATION NUMBER: US 08/220,433
FILING DATE: 30-MAR-1994
APPLICATION NUMBER: US 07/914,281
FILING DATE: 20-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lavalleye, Jean-Paul M. P.
REGISTRATION NUMBER: 31,451
REFERENCE/DOCKET NUMBER: 2363-060-55
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 8174 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown


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; REFERENCE/DOCKET NUMBER: PF-0252 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1476 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: KERANOT02
; CLONE: 820694
; US-08-824-874-2

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Query Match

15.6%; Score 189.8; DB 4; Length 1476;

Best Local Similarity 58.6%; Pred. No. 9, 6e-34;

Matches 370; Conservative 0; Mismatches 252; Indels 9; Gaps 2;

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RESULT 10

US-08-308-949A-1/c

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; Sequence 1, Application US/08308949A
; Patent No. 5380703
; GENERAL INFORMATION:
; APPLICANT: Kotlin, Robert M.
; APPLICANT: Berns, Kenneth I.
; APPLICANT: Linden, Ralph M.

```

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; TITLE OF INVENTION: Human Adeno-Associated Virus Integration
; TITLE OF INVENTION: Site DNA and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P. C.
; STREET: Two Millitia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/308,949A
; FILING DATE: September 20, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/947,127
; FILING DATE: September 27, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Carroll, Alice O.
; REGISTRATION NUMBER: 33,542
; REFERENCE/DOCKET NUMBER: ACC92-10F
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4060 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-308-949A-1

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Query Match

13.0%; Score 158.2; DB 1; Length 4060;

Best Local Similarity 75.5%; Pred. No. 1, 2e-26;

Matches 253; Conservative 0; Mismatches 68; Indels 14; Gaps 4;

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DB 3883 CTTCCCTTAAGACCCAGAAATGTCAGAGGCCCGACCCCTCTCCCTCAACACCCAGAGTCCA 3824
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DB 3765 AGACCCAGAGATCC-AGGCCCAAGCCCTCTCTCTCTGAGCCAGAGTCCAGGCCCCAG 3707
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QY 1029 cccctcctcctcctcagaccagagtcacatgccaac 1063
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DB 3706 CCCCTCTCTCTCAACCCAGAGGCCCAAGGCCCC 3672
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RESULT 11

US-08-930-188-1/c

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; Sequence 1, Application US/08930188
; Patent No. 6093397
; GENERAL INFORMATION:

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? APPLICANT: Dixon, Eric P.
? APPLICANT: Johnstone, Edward M.
? APPLICANT: Little, Sheila P.
? TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN PROTEASE AND
? TITLE OF INVENTION: RELATED NUCLEIC ACIDS
? NUMBER OF SEQUENCES: 3
? CORRESPONDENCE ADDRESS:
? ADDRESS: Eli Lilly and Company
? STREET: Lilly Corporate Center
? CITY: Indianapolis
? STATE: Indiana
? COUNTRY: United States of America
? ZIP: 46285
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/930,188
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/416,257
? FILING DATE: 04-APR-1995
? ATTORNEY/AGENT INFORMATION:
? NAME: Blalock, Donna K.
? REGISTRATION NUMBER: 38,082
? REFERENCE/DOCKET NUMBER: X9239
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 317-277-1090
? TELEFAX: 317-276-3861
? INFORMATION FOR SEQ ID NO: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1089 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: CDNA
? US-08-930-188-1

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Query Match          12.9%; Score 157; DB 5; Length 1089;
Best Local Similarity 55.4%; Pred. No. 1.7e-26;
Matches 354; Conservative 0; Mismatches 270; Indels 15; Gaps 2;

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OY 19 ctgcgagccctggcagcgagcgtgcatgtaaaagaattgttcgtcgcggtcct 78
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P 857 CTCACACCCATGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 798
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 79 ggtgcatcgcagtggtggtgctgtcagccgacactgtttccagaactccctacacatcg 138
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Db 797 GGTCAATGAGGCGTGGGTGCTCATCTGCCGCCACTGCAAGATGAATGATGACCGTGA 738
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OY 139 gctggccttcagcagtttgagcgacaaagagccagagcgagagccagatgtgagagccag 198
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 737 CCTGGGCAATGATACGCTGGGCGACAGAGAG-----CTCAGAGGATCAAGGCTCTC 687
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 199 cccttcgtagcagccagagagtagacaagacccctgtgtcgtacagccctacatgccat 258
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 686 GAATCATTCCTCCGACCCCGGCTACTCCACACAGAACCCATGTTATATACCTCATGCTCGT 627
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 259 caagttgagcaatcgtgttcagagtcgtgacacatccgagagatcagcatgtgttcgca 318
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 626 GAAGCTCAATVAGCCAGGCGAGGCTGTATCATCATGTGTAAGAAATCAAGCTGCCCTCCG 567
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OY 319 gtgcctacgcggggaactcttgctcgtttctgctgtgggtgtgtctgagcga-----a 372
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Db 566 CTGGGAACCCCTGGGAACCACTGTACTGTCCTCGGCTGGGGCACTACCAAGAGCCCGAGA 507
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OY 373 cggagagatgctacacgtgtgtcagtgctggaagtgctggtgtgtcctgagaggtcgt 432
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 506 TGTGACCTTTCCTCTCATGTGCTGAGTGTCAAGCTCATTCCTCCCGCAGGACTG 447
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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OY 433 cagtaagctatagaccgcctgtacaccccaagcatgttcgtcgccggcgagggcaaga 492
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Db 446 CACGAAGGTTTACAAGACTTACTGGAATAATTCATGCTGCTGCGCTGCAATCCCGACTC 387
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 493 ccaagaagactcctcgaacgggtgactcgtgggggcccctgatactcgaacgggtacttcga 552
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 386 CAAGAAAACCGCTGCAATGTTGATGACTAGGGGAGCCGTTGTTGTCAGAGGTACCTGCA 327
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OY 553 gggcctgtgtcttcggaaaagcccggtgtgccaagltgycgtgccaagtgctacac 612
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Db 326 AGTCTGTGTTCTCTGGGGAACCTTCCCTTGGCGCCAAACCAATGACCAAGAGTCTAC 267
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OY 613 caactctgcaatcactagtgatagagaaaacgt 651
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Db 266 TCAAGTCTGCAAGTTCACCAAGTGAATGAACACCAT 228
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RESULT 12
US-08-930-188-3/c
Sequence 3, Application US/08930188
Patent No. 6093397

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? GENERAL INFORMATION:
? APPLICANT: Dixon, Eric P.
? APPLICANT: Johnstone, Edward M.
? APPLICANT: Little, Sheila P.
? TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN PROTEASE AND
? TITLE OF INVENTION: RELATED NUCLEIC ACIDS
? NUMBER OF SEQUENCES: 3
? CORRESPONDENCE ADDRESS:
? ADDRESS: Eli Lilly and Company
? STREET: Lilly Corporate Center
? CITY: Indianapolis
? STATE: Indiana
? COUNTRY: United States of America
? ZIP: 46285

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? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.30

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? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/930,188
? FILING DATE:

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? CLASSIFICATION:

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```

? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/416,257

```

```

? FILING DATE: 04-APR-1995

```

```

? ATTORNEY/AGENT INFORMATION:

```

```

? NAME: Blalock, Donna K.

```

```

? REGISTRATION NUMBER: 38,082

```

```

? TELECOMMUNICATION INFORMATION:

```

```

? TELEPHONE: 317-277-1090

```

```

? TELEFAX: 317-276-3861

```

```

? INFORMATION FOR SEQ ID NO: 3:

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```

? SEQUENCE CHARACTERISTICS:

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```

? LENGTH: 1089 base pairs

```

```

? TYPE: nucleic acid

```

```

? STRANDEDNESS: single

```

```

? TOPOLOGY: linear

```

```

? MOLECULE TYPE: mRNA

```

```

Query Match          12.9%; Score 157; DB 5; Length 1089;
Best Local Similarity 55.4%; Pred. No. 1.7e-26;
Matches 354; Conservative 0; Mismatches 270; Indels 15; Gaps 2;

```

```

OY 19 ctgcgagccctggcagcgagcgtgcatgtaaaagaattgttcgtcgcggtcct 78
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 857 CTCACACCCATGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 798
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```



```

QY 79 ggtcattccgaagtcgggagtcgtcaagccaaactgtttccagaacccctcaaacatcgg 138
Db 797 ggtcattccgaagtcgggagtcgtcaagccaaactgtttccagaacccctcaaacatcgg 138
QY 139 gctcgttcgtcaagcagctcttgaagccgaagccaaagccaaagccagaatggatgacacccgtgca 198
Db 737 cctggcgcagtgatgacgctggcgcacagagagag-----ctcagagtgatcaaggcctc 667
QY 199 cctctcgttaaggaaccccaagatgacaaagaacccctgtcgtcaagaactcatgtcat 258
Db 686 gaagcattatccggccaccgccgctactccacacagaccattgtaattacccctatgctcgt 627
QY 259 caagtgtgaagcaatccgtgtcgcagcttgtaaacacatccgaatcgaagcaatgaactgttcga 318
Db 626 gaacctcaattatgccaagccagccagctgtatccatgtaagaaatgcatgacctgccctcccg 567
QY 319 gtgcctcaacgcgcggggaactctgtccctcgtttctcgtcgtgggtctgtgagca-----a 372
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QY 373 cgagcaaatgctcaacgctgtcgaagtcggtgaacggtgctggtggtgtcgtgaagagtgctg 432
Db 506 tgtgacactttccctctgacacctcagatgctgagatgcatcaactcatctccccacagagactg 447
QY 433 cagtaagctctatgacccgcgtgaccccccacagatgttctcgtgcgagcggaagggcaaga 482
Db 446 caccgaagcttattcacaagacattactggaataattccatctgtgcccgtggacatccccgactc 387
QY 493 ccagaagaagcactcgtcaacagctgagctatcgtggggccctcgtacatcgtcaacggtacttga 552
Db 386 caagaaataaccccttgcaatggtgactcaggggacacctgtgtgtgacagagactgacctgca 327
QY 553 gggccttggtctcttcgtgaagaagccccgtgtggtgccaagtgtgacgtgctgcaagtgctaac 612
Db 326 aggtctggtgtgctggggaaactttcccttgggggcacaaccatgaccacagagactgacac 267
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Db 266 tcaagctgcaagtgcacacaaagtgtgataatgacacacat 228

RESULT 13
PCT-US96-04294-1/c
: Sequence 1, Application PC/RUS9604294
: GENERAL INFORMATION:
: APPLICANT: Dixon, Eric P.
: APPLICANT: Johnstone, Edward M.
: APPLICANT: Little, Sheila P.
: TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN PROTEASE AND
: TITLE OF INVENTION: RELATED NUCLEIC ACIDS
: NUMBER OF SEQUENCES: 3
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Eli Lilly and Company
: STREET: Lilly Corporate Center
: CITY: Indianapolis
: STATE: Indiana
: COUNTRY: United States of America
: ZIP: 46285
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US96/04294
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/416,257
: FILING DATE: 04-Apr-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Blalock, Donna K.
: REGISTRATION NUMBER: 38,082

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REFERENCE/DOCKET NUMBER: X8239
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-277-1090
TELEFAX: 317-276-3861
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1089 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PCT-US96-04294-1

Query Match      12.9%; Score 157; DB 6; Length 1089;
Best Local Similarity 55.4%; Pred. No. 1.7e+26;
Matches 354; Conservative 0; Mismatches 270; Indels 15; Gaps 2

QY   19 ctcgagacccctgaggcagggcacctgtgtatgtaaaagaatgttcttgttcgggtacct 78
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB   857 CTCGCCACCATGCGCAGGTGGCCCTCTCAATGTCATGACTGCATCTGGAGGCGTCTCT 798
QY   79 gttgatccgcagtgtagtctgtacggccagcaactcgtttccgaactccctaaccaatg 138
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB   797 GGTCATATAGCCCTTGGTGTCTACTGTCGCCGCCACTGTCAAGATGAATGATACACCCTGCA 738
QY   139 gctgggacctgcacagtctcttgaaggccgaaccaagaccagggagacagatggttgaaaggccag 198
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB   737 CCTGGCGAGTAGTATACGTGTGGCGGACAGAGAG-----CTCAGAGATCAAGGCGTTC 687
QY   199 ccttcgtagggcaccacagagataacaagacccttgtctgtctaacagactaatgtcat 258
    || | || | || | || | || | || | || | || | || | || | || | || | || |
DB   686 GAAGTCATTTCGCCCACCCCGGCTACTCCACACAGACCCTATGTTAATGACTCATGCTCTCT 627
QY   259 caaattgtagcaatccgtgtctcagagctctgacacacalcgcggagcatcagatctgttcga 318
    || | || | || | || | || | || | || | || | || | || | || | || | || |
DB   626 GAAGCTCAATAGCCAGGCCAGGCTGTCAATCCATGGTGAAGAAGTAAGTCAAGCTCCCTCCG 567
QY   319 gtgccctacacggcgggaactctgtcctcgtttctgtcgtgggtctctgttcgca-----a 372
    || | || | || | || | || | || | || | || | || | || | || | || | || |
DB   566 CTGCGAACCCCTGGAACACCACTGTACTGTCTCCGGCTGGGGCACTACACAGACGCCAGA 507
QY   373 cggcgaatgcctacacgtgtcgtcagtgagtgaaagctgtcgtgtgtgtcgttgaaagagctgt 432
    || | || | || | || | || | || | || | || | || | || | || | || | || |
DB   506 TGTGACCTTTCCCTCTGACCTCATGTGTGGATGTCAAGCTCATCTCCCCACAGAGACTG 447
QY   433 cagtaagctctatgaccccgctgttacacaccccagcatgttctcgtcccgcgcgagggcaaba 492
    || | || | || | || | || | || | || | || | || | || | || | || | || |
DB   446 CACGAAGGTTTTACAAGGACTTAAGTGAATAATTCATGTGTGCGGTGGCATCCCGACATC 387
QY   493 ccgaagaagacccctgtcaacagtgtaactctggggggccccctgatatctcaacaggtaacttga 552
    || | || | || | || | || | || | || | || | || | || | || | || | || |
DB   386 CAAGAAAAACCGCTTGCAATGTGTGATCTCAGGGGGACCGTTGGTGTGCAGAGTAACTCTGCA 327
QY   553 ggagcctgtgtcttcgtgaaaaagcccggctgtgtgccaagtgtgccaagtgcttatcac 612
    || | || | || | || | || | || | || | || | || | || | || | || | || |
DB   326 AGGTCGTGTGTCCTGTGGGAACATTTCCTTTGGCGCCAACCAATGACCAAGAGTCTACAC 267
QY   613 caacctctgcaaatctcactgagtgatgataaggaanaacgct 651
    || | || | || | || | || | || | || | || | || | || | || | || | || |
DB   266 TCAAGTCTGCAAGTTCAACCAAGTGTGATGAATGACACCAT 228

RESULT 14
PCT-US96-04294-3/c
Sequence 3, Application PC/TUS9604294
GENERAL INFORMATION:
APPLICANT: Dixon, Eric P.
APPLICANT: Johnstone, Edward M.
APPLICANT: Little, Sheila P.
TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN PROTEASE AND
NUMBER OF SEQUENCES: 3

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Db 201 GGTCAATGAGCCCTGGGTGCTCACTGGCCGCTCACTGCAAGATGAAATGATACACCGTGCA 260
QY 139 gctgggctctgacagctcttgagccgacccaagggccagggagccagatggtgagggcag 198
Db 261 CTGGGGCAGTGAATACGCTGGGCGACAGAGAG-----CTCAGAGATCAAGGCGCTC 311
QY 199 cctctcgtacggcaccacaagtlacacagaccctgtcgtcaagacctcatgtcat 258
Db 312 GAAGTCAATTCCGCGACCCCGGCTACTCCACACAGACCCATGTAATGACTCATGCTGCT 371
QY 259 caagttggacgaatccggtgctcgaagtcgaaccatccgagacatcagcatgtctcgca 318
Db 372 GAAGCTCAATAGCCAGGCCAGGCTGTCATCCATGCTGAAGAAAGTCAAGGCTGCCCTCCG 431
QY 319 gtgcctacccggtgggaactctgctcgtttctgctggtggtctctggtgga-----a 372
Db 432 CTGCGAACCCTGGGAACCACTGTACTGTCTCCGGCTGGGCACTACACAGGCCGAGA 491
QY 373 cggcagaatgctcaccgtgtgctgacgtgacggtgacggtggtggtcgaaggtctg 432
Db 492 TGTGACCTTTCCTCTGACTCATGTGCGTGGATGTCAAGCTCATTCGCCCAAGACTG 551
QY 433 cagtaagctctatgaccgcgtgacaccccaagcatgtctgcgcggtcggaaggaaga 492
Db 552 CACGAAGGTTTACAGAGACTTACTGGAATAATTCATGCTGTGCGCTGGCATCCCGACTC 611
QY 493 ccagaaggaactcctgcaaggtgactctggggggccctgactgcaaggtactgca 552
Db 612 CAAGAAAAACGCTGCAATGTGTACTCAAGGGGACCGTTGGTGTGCAGAGGTACCCCTGCA 671
QY 553 gggccttgctcttcgggaaagcccggtgggccaagttgctgccaagttgtctacac 612
Db 672 AGGTCTGTGTCTCTGGGGAACCTTCCCTTGGCGCAACCAATGACCCAGAGAGCTTACAC 731
QY 613 caacctctgcaaatctactgagtgagtagaagaaacggt 651
Db 732 TCAGTGTGCAAGTTCACCAAGTGAATAATGACACCAT 770
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Time: 45047 sec

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